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MONTANA
FOREST PRODUCTS UTILIZATION AND MARKETING
BULLETIN

OFFICE OF MONTANA STATE FORESTER - 2705 SPURGIN ROAD - MISSOULA - 59801

Vol. III, No. 6 June 1968

N O T I C E

This is the second request for opinions on the value of this publication. A number of interesting responses were received from last month's request. However, any further comments you may have would be appreciated.

# # #

280 SIXTH GRADERS TOUR WOODS

Almost 300 sixth grade students and teachers from Troy and Libby schools participated in the annual woods tour conducted May 6-10 under the sponsorship of the local chapter of the Society of American Foresters. Fourteen classes, totaling 280 students and teachers, visited woods operations of St. Regis Paper Company.

Tour leaders were Forest Service and St. Regis foresters. The itinerary included the St. Regis forest nursery, the Fawn Creek area where larch is being regenerated from seed trees, and Harris Creek where Bud Cole's skidding and loading operations were viewed.

The groups ate lunch at Fawn Creek campground, and the Libby Chamber of Commerce furnished the pop.

Tree identification was a major subject of instruction during the tour.

From THE WESTERN NEWS

# # #

FS TIMBER SALE CONTRACT REVISION (DIVISIONS A & B) SOON TO BE READY

A "final draft" of the Forest Service Timber Sale Contract form, Divisions A and B, is expected to be ready soon for distribution within the Forest Service and industry. WWPA (Western Wood Products Association) will furnish its members copies of the revised contract form as soon as it becomes available. Comments are needed soon after the draft is received because the Forest Service is anxious to get final approval of the revised form so that it can be put into effect at a very early date.

From WWPA's NEWS & VIEWS

# # #

FOREST INDUSTRY TRADE GROUPS PLAN WOOD PROMOTION

Representatives of six forest industry associations including WWPA reached general agreement during a meeting in Portland on May 15 on a proposed five-point program to increase shipments of manufactured wood products to Japan. Western Wood Products Association agreed at the meeting to contribute its financial share of the program.

Representatives of American Plywood Association, North West Timber Association, Pacific Lumber Exporters Association and Western Forest Industries Association said they would seek to make a commitment to the program within two weeks.

Announcement of WWPA's commitment was made by Wendell B. Barnes, executive vice president, during the special meeting, which was an outgrowth of an industry conference held on April 24 at the Bonneville Power Administration Auditorium in Portland.

At that time, the APA/WWPA Export Committee made specific recommendations for a cooperative market development program in Japan. Outlined by G. Cleveland Edgett, WWPA vice president, the five points of the plan are: (1) Engage the services of an individual or company in Japan that can represent the American lumber and plywood industry in its contact with the trade and feed back pertinent market information. (2) Contract for the publication of a bi-weekly business report on wood product exports, including information on market conditions, statistical data on logs, lumber and plywood, price reporting and shipping schedules. (3) Arrange with the Foreign Agricultural Service for a market research project in Japan that will determine the 1970 anticipated wood product imports from North America by sizes, grades, species, volume and price range. (4) In lieu of a direct financial commitment, ask the Pacific Lumber Exporters Association to prepare a comprehensive report on the productive capabilities of the industry to cut export specifications and to prepare recommendations on the possible improvement of a competitive handling and shipping arrangements for forest product exports. (5) Organize a trade mission to Japan for a large group of plywood and lumber producers and exporters and try to arrange a reciprocal visit of Japanese architects, builders, government officials and trade representatives.

From WWPA's NEWS & VIEWS

# # #

INTERMOUNTAIN TO CONSOLIDATE OPERATIONS

Intermountain Lumber Co. plans to consolidate its Missoula lumber production on one plant site in Missoula, a company official announced Friday. Henry S. Pennypacker, vice president, said that over the next two years operations at the company's No. 1 plant on Russell Street would be gradually merged into operations at the No. 2 plant site, off the Parkway Bridge.

He emphasized that, although the No. 1 plant would eventually be phased out, no reduction in the volume of lumber produced by Intermountain in Missoula was contemplated. "We plan to produce the same volume we do today," the official said, "but we expect to do it on one plant site instead of two."

From THE MISSOULIAN

# # #

FOR SALE - SERVICES & EQUIPMENT

SAWMILL - Available in Kalispell, Montana area. For further information, contact: Utilization Forester, Office of State Forester, 2705 Spurgin Road, Missoula, Montana 59801, phone 543-3622.

# # #

CRANE - 3/4 yd. Lima Model 34W, Serial 1541, with G.M.C. 471 engine, heel boom with Berger slack puller, mounted on Mack carrier. Contact: James H. Miller, Box 733, Philipsburg, Montana 59858, phone 859-3565.

# # #

MOTORS - Diesel electric set - 50 K.W. From 3 to 15 h.p. COMPRESSOR - 50 cu. ft. with 10 h.p. electric motor. JAMMER - for short logs. Will consider trading for small shovel. Contact: Everett C. Smith, Box 536, Superior, Montana, phone 822-4284.

# # #

SAWMILL & PLANER - Woods planer, auto-trimmer, linebar resaw, on Mainline Great Northern Railroad. Pictures on request. Price $40,000.00, with $10,000.00 down. Contact: Brown & Finch Lumber, Inc., Coram, Montana 59926, phone 387-5552.

# # #

SEVENTEEN CARBIDE TIPPED EDGER SAWS - 14" x 15 teeth x 12 gauge (.100) with 4¼" arbor hole.

TWO CARBIDE TIPPED STRAIGHT-EDGE EDGER SAWS, 14" x 15 teeth x 6 gauge (.200) x 4¼ eye.

For the above edger saws, contact: Missoula Saw Repair, 2301 Grant St., Missoula, Montana 59801, phone 549-4721.

# # #

CRAWLER TRACTOR - H.D.-16, Allis-Chalmers, equipped with Carco A-3 winch, cat angle dozer, 151 Garwood FCCU canopy and logging guards, price $7,000.00.

CRAWLER TRACTOR - H.D. 11-B, Allis-Chalmers, equipped with Carco A-3 winch, A.C. hydraulic angle dozer, canopy and all logging guards, price $6,000.00.

SHAKE SPLITTER - Portable, hydraulic, mounted on trailer, price $400.00.

VERTICAL BAND RESAW - 36" ball bearing, price $400.00.

Contact: Peter F. Israelson, Box 745, Libby, Montana 59923, phone 293-5780.

# # #

DOZER - D-7 3T Cat. Hydr. blade, winch; also D-8 15A Cat, angle blade, winch. Contact: Margaret Bleskin, Kalispell, Montana, phone 756-4421.

# # #

2V D8 CANOPY and HIGH DRAW-BAR, $4,500; 14AD8, WET DECK, CANOPY U DOZER, near new tracks, $12,500; 22B with 471 GM DIESEL less boom and tracks, $3,850; HEELBOOM and SLACK PULLER for 22 B, good 22 B ring gear for truck mount. Contact: Bert Poloson, Lonepine, Montana, phone Niarada 14.

LUMBER FIRM INSTALLS NEW EQUIPMENT

THOMPSON FALLS--The Flodin Lumber and Manufacturing Co. this week shifted its production to a new band headsaw and changed from one to two shifts without an increase in personnel.

The bandsaw is housed in a new sawmill building, recently, and features a vertical edger--an innovation in western Montana lumber production. The edger trims the edges of a board at the same time it is being sawed from a log on the bandsaw. In most mills edging is a separate operation.

According to T. Millar Bryce, a partner in the firm, "This is the only vertical edger installation in western Montana that we know of." However, he said it is still not new or original as vertical edgers have been tried at various times for many years. "But we do not know of any instance a vertical edger has been tried with a band headsaw, unless in Russia," Bryce commented.

From THE MISSOULIAN, May 31, 1968

# # #

BRONSON HEADS NATIONAL FOREST GROUP

A lumber industry executive from Yakima, Wash., who began his career as a logger, has been named president of the National Forest Products Association. James D. Bronson, 63, a director of Boise Cascade Corp., was chosen for the top post at the board of directors meeting which climaxed the four-day 66th Annual Meeting of NFPA, a Washington, D. C., national federation representing the nation's forest products industry.

Bronson, who was elected first vice president of NFPA in May 1967, succeeded Russell H. Ells of Willits, Calif., president of the Willits Redwood Products Co., who was named chairman of the board of the association.

After postgraduate work in forestry at Yale, he worked as a logger in Western Washington for the former Cascade Lumber Co., then in the mill and finally in administrative posts. In 1939 he became general manager, and in 1946 he was named president of the company.

Following a merger of Cascade into Boise Cascade Corp., Bronson became a director of that company and continues to head operations of the lumber division centered at Yakima, Wash.

From THE MISSOULIAN

# # #

NEW SQUARE-CUT UNIT FOR MILWAUKEE CHAIN SAWS--Milwaukee Electric announced a new square cut unit, whereby Milwaukee Chain Saws can be converted for square or angle cutting of heavy beams or gang cutting 4 x 12"s, 4 x 4"s, 6 x 8"s, and even cuts through beams up to 14 x 16". It fastens securely to the edge of lumber to assure smooth effortless sawing action through a complete cut. Unit weighs only 2½ lbs. and mounts easily to saw without drilling holes in guide bar. Priced below $60.00. For further information contact CROSS TIE BULLETIN, Box 2262-M, Paterson, New Jersey 07509.

FIRE CONSUMES FLINT CREEK MILL--Hall, Montana. A blaze at the Flint Creek Lumber Co., operated by Ernest Hunt at Hall, completely destroyed the sawmill, planer and a maintenance building. According to Hunt, the loss is estimated at $150,000 which was not covered by insurance. According to a report, the fire started in the mill from a welder's torch at about 5:30 p.m. and quickly spread throughout the building. The mill had been a steady source of employment for 10 years.

From INTERMOUNTAIN LOGGING NEWS

# # #

"ON-SITE PORTABLE CHIP MILL"--The author described a semi-portable chip mill that can be moved 75 - 100 miles in three "lowboy" loads. Set up time is two days and requires a prepared site with sufficient electric power to satisfy a 480 volt requirement. Anticipated production is 20 cords per hour with 3 men. Seventy foot tree lengths and an 18" diameter are maximums for this unit.

The main components of the chip mill include: (1) 40' infeed conveyor, (2) 26 inch "Cambio" debarker, (3) 16' outfeed conveyor, (4) 18" H.P. chipper, and (5) Chipper power unit - GM V-12, 71 series 385 hp diesel.

Support equipment includes: (1) Tree length loader, (2) Bark conveyor, (3) Electric control panel, (4) Electric supply panel, (5) Chip trucks, and (6) Bark trucks.--JMR

Source: Sterle, J. R., Forest Engineer. American Pulpwood Assoc. Pulp and Paper, Sept. 4, 1967, Vol. 41 & 36.

# # #

"A REPORT ON HEAT TENSIONING"--Heat tension is now applied by an oxy-acetylene torch mounted on an automatic crawler, or "bug", in most Pacific coast bandmills. Effective heat tensioning requires using torch's carbonizing flame within a temperature range of 550° to 900° F. By using the "bug" tension is uniform. Stresses that are set up by the spot method are eliminated. Slower heat application results in better and more even penetration of the steel.

Heat tensioning has been applied to circular saws with the same ease. Using a drive and torch assembly unit, uniform heat tensioning results in saws that run better, develop less kerf and power loss. Heat tensioning saves time and money. More important, it allows the production of better lumber.

The author discusses techniques of applying heat, torch tip location, and related aspects of heat tensioning.--JMR

Source: Quinn, R. S., Consultant for Redna Manufacturing Agency, West Vancouver, B.C., Canada. Forest Industries, Sept. 1967, Vol. 94(10).

TOO LATE TO CLASSIFY

WANTED: Hydraulic self-loader, 10,000 pound minimum capacity. If you have one for sale, advise: Utilization Forester, 2705 Spurgin Road, Missoula, Montana 59801, phone 543-3622.

"INSPECTION AND TREATING WESTERN REDCEDAR AND DOUGLAS-FIR POLES IN SERVICE"

(Pole users should be aware of study results and new techniques described in this report.)

Increasing number and age of poles in service and cost of replacing poles has focused attention on need for improved methods of inspecting and treating poles in service. As a basis for further work, cooperative research action identified brown-rot fungus, Poria carbonica, as primary deterioration agent in Douglas-fir poles. Poria monticola, another brown-rot fungus, was second in importance. Fungi attacking western redcedar poles were difficult to isolate for identification.

No evidence was found of external decay of treated zones in poles. Seasoning checks developing after treatment were principal points of entry for internal decay in groundline zone of cedar and Douglas-fir poles. Bolt holes and cuts made after treatment were main areas associated with internal decay in portion of poles located well above ground. Characteristic decay patterns in cedar poles were definite areas of advanced decay or voids at base of seasoning checks, apparently with abrupt transition from decayed to sound wood. Fir poles had areas of advanced decay surrounded by poorly defined areas in various stages of decay. Once decay was visible, most adjacent untreated wood was infected.

Methods presently used in field inspections to detect decay are not completely satisfactory, and some must rely on experience and judgment. New equipment and new techniques described in report need further evaluation. A moisture meter showed promise for detecting early decay that could not be found by visual examination of borings. Moisture content of poles with early decay and advanced decay were higher and much higher, respectively, than that of sound poles. Radiographic inspection provided a permanent visual record of internal conditions of poles with advance decay by brown-rot fungi. Sonic equipment detected presence of advanced decay and internal burst checks in poles. Supplementing other inspection methods with cultural techniques can detect decay in apparently sound poles.

Exploratory tests indicated that fumigants may prove useful for arresting internal decay in poles. Recommendations are that common methods for treating poles with internal decay be regarded with skepticism, and that specifications for preservative treatment of new poles be made stringent.--EME

Source: Graham, R. D., and Mothershead, J. S. Oregon State University, Forest Research Laboratory, Information Circular 21, June 1967.

# # #

"COMPLEX ACHIEVES COMPLETE UTILIZATION"--The combined efforts of St. Regis Paper Co., Warren A. Hood Forest Products, Inc., Crosby, Miss., in layout and equipment selection for a sawmill and merchandizing (sorting-chipping) installation are discussed. The merchandizing facility will handle between 125 - 150 MBF of 8' - 103' material per day. Softwood logs will be sent directly to the sawmill. Poles and hardwood logs will be segregated and shipped to other processing units. Material not suitable for these products will be converted into chips on site. Approximately 1200 cords are stockpiled in a graveled and concrete slabed yard. The sawmill produces about 130 MBF per day with 17 - 18 men, single shift, 5 days a week.--JMR

Source: Forest Industries, October 1967, Vol. 94 (11), Abstract No. 60.

N O T I C E

The National Safety Council recently released Technical Data Sheet #605. It was prepared by the Furniture and Millwork Executive Committee of the Wood Products Section, National Safety Council, 425 N. Michigan Avenue, Chicago, Ill. 60611, and is published by the Council.

Title of the sheet is "Tilting-Arbor and Tilting-Table Saws." It covers hazards, guards against blade contact, guards against kickback, rabbeting and dadoing, miscellaneous safeguards, personal protective equipment, operating safety rules.

It discusses blade maintenance and faults of circular saws including:

a) Saw out of round.
b) Saw not straight.
c) Improper hook or pitch of teeth.
d) Improper or uneven set.
e) Cracked blades.

An alphabetical index of all Industrial Safety Data Sheets (Stock No. 123.09) is available from the Council on request.

# # #

TARIFF COMMISSION RELEASES VOLUME OF TARIFF SUMMARIES ON PULP, PAPER, AND PAPERBOARD--Information on U. S. foreign trade and its relationship to domestic production and consumption of pulp, paper, and paperboard became available when the Tariff Commission released another volume in its new series of Summaries of Trade and Tariff Information. This volume, "Paper and Related Products I," is the second of five to be published on wood, paper, and printed matter covered by Schedule 2 of the Tariff Schedules of the United States. The Summaries of Trade and Tariff Information are designed to meet the needs of wide and varied interests that include the Congress, the courts, Government agencies, importers, domestic producers, research organizations, and many others. The summaries contain accurate descriptions, in terms of the tariff schedules, of the thousands of products imported into the United States, methods of production, world supplies, and importance in trade and in the U.S. economy. The summaries also include substantive analytical material with regard to the basic factors affecting trends in consumption, production, and trade, and those bearing on the competitive position and economic health of domestic industries.

The Tariff Commission's current edition of volumes issued in the new series of tariff summaries is too limited for general distribution. As a service to the public, however, the 42 field offices of the Department of Commerce, and selected public and university libraries in the larger cities will be supplied with copies for commercial and professional consultation.

From the U. S. Tariff Commission
Office of the Secretary
Washington, D. C. 20436

# # #

USING YOUR NEWSLETTER

If you would like to place an item in the next issue of this Utilization and Marketing Bulletin, please list your items under the proper heading on this page. Requests for inclusions should be forwarded promptly to the Office of Montana State Forester, 2705 Spurgin Road, Missoula, Montana 59801. This letter is distributed to the various levels of forest products industry in an effort to communicate forest utilization and marketing activities. The information you contribute may be the answer to another person's problem, or vice versa, and be to the mutual advantage of all concerned.

If you have a "Want to Buy" or "Sell" forest product or a piece of wood processing machinery or equipment, forward your information to this office and it will appear as you describe it in the subsequent issue. Each request will be shown only once; therefore, a new request must be submitted if a repeat is desired.

The Office of the Montana State Forester reserves the right to edit all items included and accepts no responsibility for the accuracy of description or for the commercial integrity of the persons or firms making offers in this bulletin. You should, therefore, use regular business precautions in any transaction conducted regarding items listed in this publication.

IF YOU WISH TO LIST AN ITEM IN THE NEXT ISSUE OF THIS BULLETIN, PLEASE FILL IN THE FOLLOWING FORM WITH A COMPLETE DESCRIPTION OF THE ITEM OR ITEMS TO BE LISTED AND RETURN IT PROMPTLY TO: Office of Montana State Forester, Utilization & Marketing, 2705 Spurgin Road, Missoula, Montana 59801.

FOR SALE - FOREST PRODUCTS:

FOR SALE - SERVICES AND EQUIPMENT:

WANTED - SERVICES AND EQUIPMENT:

WANTED - FOREST PRODUCTS:

Name of Person or Firm:

Mailing Address:

Zip Code: Phone No.:

NOTE: If you wish to rerun an item, a written request must be submitted preceding the next issue.

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MONTANA
FOREST PRODUCTS UTILIZATION AND MARKETING
BULLETIN

OFFICE OF MONTANA STATE FORESTER - 2705 SPURGIN ROAD - MISSOULA - 59801

Volume III, No. 7 August 1968

WWPA PUBLISHING NEW GRADE BOOK FOR REVISED SIZES

Portland--Western Wood Products Association issued the ALS-approved grade sizes in its new grading rule book during July 1. The new sizes will:

(1) Relate size to moisture content. Nominal two inch dimension will be 1½ inches thick at 19 per cent maximum moisture content. Green will be finished at 1 9/16ths.

(2) Grades will be changed from names to a numbered system of Structural, No. 1, No. 2, No. 3, and No. 4.

(3) Species will be combined where strength values are within a range allowable by American Society for Testing & Materials (ASTM) standards. The designation "Hem-Fir" will be introduced for western hemlock, the true firs and Douglas fir from the Southwest.

(4) Lumber within a given grade is to have uniform appearance--regardless of species. Slope and grain, knot size, etc. requirements.

(5) Applicable working stresses will be shown for all 11 species graded by WWPA, i.e. Douglas fir, western hemlock, Engelmann spruce, the true firs, larch, western red cedar, incense cedar and Idaho white, ponderosa, sugar and lodgepole pine,

(6) Load-sharing aspects of repetitive framing has been taken in account in determining design values for joists, rafters, planks, etc.

(7) All dimension lumber will be uniformly graded throughout thus permitting cutting of a long length into shorter pieces bearing the same grade. Previously, the most limiting restrictions were applied only to the middle third of the piece. However, three and four-inch beams and stringers will continue to be more restrictively graded in the middle third.

The new book has been reduced to 192 pages--down about 90 from the old one.

As it had long stated it would, WWPA is issuing the new grading rules despite the fact that these sizes have NOT been promulgated as a new American Lumber Standard. They are, therefore, nonstandard, although they will not be so designated. This size series has been approved by the American Lumber Standards committee but failed to get a consensus on an acceptor list vote supervised by the Dept. of Commerce. The present American Lumber Standard (SPR 16-53) sizes for dimension will not be included in the WWPA book. The Federal Housing Authority has designed them as acceptable. Changed FHA span tables will, of course, be applied to the changed sizes, grades and groupings.

The new WWPA book picks up verbatim some sections of the West Coast Lumber Inspection Bureau grades. They are so designated in the WWPA book and grade stamps will bear reference to WCLIB rules. These will include all board sizes, the entire factory section and four short grades, such as gutter.

During a changeover period, WWPA will grade either to the new sizes or to the present American Lumber Standard (1 5/8ths either green or dry). WWPA is expected to determine length of the changeover period at its semiannual meeting in Portland in September. Although market acceptability of the new size probably will determine that period, speculation is that Jan. 1 may be the cut-off date. Thereafter, WWPA presumably would refuse to grade to SPR 16-53 sizes.

The new WWPA book will include a shortcut for determining joist and rafter spans. Mills using the system will apply letter symbols at the lower edge which will key to a simplified span table WWPA will furnish without charge.

WWPA grades about 11 billion board feet of production yearly--about 40 per cent of the lumber produced in the U. S.

We have sent off for these

WWPA's Product Use Manual and a new Grade Stamp Manual are being changed over to the new system. Either can be obtained without charge from WWPA, 700 Yeon Building, Portland, Oregon 97204.

From WESTERN TIMBER INDUSTRY

# # #

MOORE DRY KILN COMPANY AGREES TO BUY STANDARD

Moore Dry Kiln Company, with home office and plant in Jacksonville, Florida, has agreed to purchase the assets of Standard Dry Kiln Company of Indianapolis, Indiana, effective June 1, 1968 and subject to the approval of the shareholders of each company. This announcement was made by Pat M. Williams, president of Moore, and Eugene B. Hibbs, president of Dura-Container, Inc., parent organization of Standard.

Established in 1887, Standard has long been a leading manufacturer of kilns and materials handling equipment for the woodworking and lumber industries. The firm also has offices in Memphis, Tennessee and Portland, Oregon.

Moore Dry Kiln Company has an even longer history. Founded in 1879, it is the oldest business of its type in the world.

From VERMONT FOREST EXCHANGE &
INFORMATION BULLETIN

WANTED - SERVICES & EQUIPMENT

BURNER WITH CONVEYOR - 20 to 30 ft. size. Contact: Wilke Bros. Sawmill, Box 64, Wisdom, Montana 59761, Phone 689-2441.

# # #

FOR SALE - SERVICES & EQUIPMENT

LIMA 34T, 3/4 yard on tracks, gas BUDA ENGINE. Price $3,500.00.
G.M.C. 1954 TRUCK, 3½-ton Tandem. Price $500.00.
Contact: John R. Runyan, Administrator of C. R. Runyan Estate, Box 211, Troy, Montana 59935, Phone 295-4578.

# # #

ALLIS-CHALMERS MOTOR TRACTOR A-D-3 - Excellent condition and good tires. Price $4,000.00. Contact: Frank Warren Blanchard, Gallatin Gateway, Montana, Box 97, Phone 763-4323.

# # #

DOZER INTERNATIONAL TD-9 - with winch and canopy.

BELSAW SAWMILL with 85 H.P. Case industrial engine.

TRUCK - 1951 Chevrolet, 2½ ton, with log bunks and new 9 X 20 tires.
Contact: Viola Kline, Box 55, Heron, Montana 59844, Phone 847-2358.

# # #

LOGGING TRUCK - Mack, 1965.

LOG TRAILER - 1966 Peerless with chains and binders, etc. Price $13,500.00 for both truck and trailer, or will sell truck alone. Contact: Ray Aldrich, Jr., Thompson Falls, Montana 59873, Box 171, Phone 827-3890; if no answer, call 847-2614.

# # #

HOUSE TRAILER - 1956 Ventura, 8 x 47 ft., good on-the-job home. Sitting in Thompson Falls, Montana. Write: Murry Reynolds, Box 1434, Trout Creek, Montana 59874.

# # #

A. J. AGATHER has resigned suddenly as resident manager of the Libby, Montana operations of St. Regis Paper Co., upon advice of physicians.

# # #

CHIPS & CHATTER--American Forest Institute replaces the ponderous American Forest Products Industries, Inc. name for the association which carries much of the industry's land-use public relations load.

From WESTERN TIMBER INDUSTRY

EXPORTING FOREST PRODUCTS URGED

Secretary of Agriculture Orville L. Freeman at a Portland meeting urged western lumber and wood products producers to "aggressively go after part of the market in Japan for forest products." He said the industry must become "export minded and geared up to operate that way." The official commented that it is not now clear whether administrative action restricting the export of federal logs is "needed or appropriate" in other parts of the west.

Freeman added that he stands ready to review on a case-by-case basis specific information that provides tangible evidence that instituting this policy in one area has resulted in serious problems in other areas.

After noting that he is concerned about balance of payments, he remarked that he also is greatly concerned about maintenance of a viable domestic forest industry in all of the west, not only in the Douglas fir area.

Secretary Freeman stated that he is "fully convinced" that national forests can be used for both timber harvest and for public recreation. "We cannot and should not close off national forest areas to recreation use," Freeman said. "We have no choice but to show the way, together, to using our timber yet having our recreation and watersheds, too. I am sure this means much more intensive timber culture, and more road mileage."

Freeman urged the forest products industry to tell its side of the land use resource story.

From THE MISSOULIAN

# # #

EXPORT INFORMATION NEEDED

Western Wood Products Association has been urging Western lumbermen to supply WWPA the essential information about export and log buying statistical evidence needed when seeking official interpretation of the type of showing required to have a given area included in the policy's expansion. Reporting forms are available on request from the WWPA Forestry Services Department or from WWPA District Foresters. Address: Western Wood Products Assn., Yeon Building, Portland, Oregon 97204.

From WWPA

# # #

SECRETARY OF LABOR WILLARD WIRTZ lists don'ts for using labor under 16 years of age. The order permits persons under 16 to be employed by their parents or someone standing in place of their parents in any farm occupation on farms owned or operated by parents. A detailed list of jobs prohibited under 16 years of age may be obtained by writing U. S. Labor Department, Washington, D. C.

From FOREST PRODUCTS, NEW JERSEY DEPT. OF CONSERVATION & ECONOMIC DEVELOPMENT.

# # #

EMPLOYMENT WANTED--Electrical Engineer, married, three children, age 32. Is currently employed in corporate engineering department of a leading international manufacturing company as electrical engineer with responsibility for new and existing in-plant equipment. Was born and raised in Montana. Wants to return to Montana. Contact: B-4, Montana State Employment Service, 941 Stephens Ave., Missoula, Montana 59801.

FOREST PRODUCTS UTILIZATION ABSTRACT NO. 116
May 31, 1968

COMPARATIVE COST STUDY MADE ON STEAM PRODUCTION

The author reviews reasons why waste wood may become more attractive as fuel for low pressure steam production. Availability of satisfactory automated wood fuel boilers, plus actual data and operational methods, are the basis of this study. Relatively high initial costs are characteristic of these units. The reverse is true for oil or gas fired units. Total costs of oil and wood fuel are compared by the discounted cash flow method.

In this study wood fuel cost is zero. Using this method at this plant, with stated restraints, the wood fired unit was found to be the better investment. Break-even charts are included. Two tables showing cumulative discounted present value of costs at 6% and 20% interest are shown on the other side.--JMR

Source: Dost, Wm. A., Extension Forest Products Specialist, Forest Products Laboratory, University of California, Richmond, California; Forest Industries, Vol. 95(2), February 1968, Abstract No. 35.

# # #

FOREST PRODUCTS UTILIZATION ABSTRACT NO. 117
May 31, 1968

CARRIAGE RETURN SPEED BOOSTED TO 650 F.P.M.

This heavy duty hydraulic carriage drive uses a principle developed for launching aircraft. The savings in time may be used by sawyer to study and turn logs. The sequence of operations and a diagram are shown on the other side. This installation has increased carriage speed from 400 to 650 fpm. Desired goal is 900 fpm. No change in cable hookup is required. Drive speeds may reach 1,350 fpm. Carriage weights up to 50 tons can be accommodated.

The drive consists of: 1) three hydraulic pumps; 2) a 150 hp 1,800 rpm motor; 3) relief and check valves; 4) heat exchanger assembly; 5) four 5" x 60" cylinders; 6) cable relay system with shuttle.--JMR

Source: Forest Industries Vol. 95(2), February 1968.

# # #

HANDBOOK ON NAILS:

This handbook, published by Virginia Polytechnic Institute, Blacksburg, Virginia, 24061 includes 450 definitions of terms relating to nails, illustrations of 44 nail heads and 29 nail points, and 125 tables of standard nail descriptions. The 52-page compilation, Bulletin No. 61, is available for $3.00 from the Institute's Wood Research Laboratory.

From MOUNTAIN & PLAINS WOOD UTILIZATION & MARKETING NEWS

RULES '68

For wood product distribution and building material retail dealers.

The Western Wood Products Association RULES '68 Merchandising Kit is now available to help you start your customers off quickly using these new up to date timber grading standards.

The items in this kit were designed for your use. Place the large wall poster, announcement ad and 8½"x11" posters where they can be easily seen. The kit also includes copies of the Grade Change Guide, Product Catalog A and Grade Stamp Manual. Just use the order form below for this FREE material. Additional copies of parts of this kit can be purchased for distribution to all your lumber customers.

RULES '68 are in step with progress. They incorporate the latest technical data. They are the most user-oriented lumber grading document yet developed. They are streamlined, easier to comprehend, easier to use.

Pass the word to your customers. And start ordering according to Rules '68. You'll get a head start on progress.

- -

(Detach and return to Western Wood Products Association, 700 Yeon Building, Portland, Oregon 97204 for FREE RULES '68 Merchandising Aids)

Please send a supply of the following Rules '68 educational and promotional items, so we can start a local program.

Quantity

*Product Use Manual--Catalog A. An 8-page product information publication--based on Rules '68--for the proper selection, specification and use for wood products in construction. _____

*Grade Change Guide. A handy 2-page reference guide pointing out the important changes, revision and refinements in Rules '68. _____

*Grade Stamp Manual. A folder which shows facsimilies and description of authorized marks for grade marking lumber under Rules '68. _____

*We can also put another set or two of the 8½" x11" posters and the large wall banner to good use. _____ (limit of two sets)

Name_ _ _ _

ICC ESTABLISHES BOXCAR RATES:

Basic rental charges that railroads must pay each other for the use of freight cars have been established by the Interstate Commerce Commission. The charges, effective October 1, are on age, distance traveled, and time. The new rates range from 63¢ a day for cars more than 30 years old and costing less than $1,000 to $10.22 a day for cars less than five years old and costing more than $39,000. Mileage charges range from 1.4¢ per mile to 4.6¢ per mile. (Wood and Wood Products, March 1968)

From MOUNTAIN & PLAINS WOOD UTILIZATION & MARKETING NEWS

# # #

ACCIDENT CONTROL:

Management should pay less attention to injuries and concentrate on accident control, according to E. H. Reeves, General Manager of the Forest Products Accident Association. To concentrate solely on injury prevention is like swatting mosquitos that bite you rather than eliminating the breeding ground of the mosquitos. (Source: Pulp & Paper Magazine of Canada - 4/19/68)

From PULPWOOD HIGHLIGHTS

# # #

CHAINSAW CHAPS:

Lancer Clothing Corp. advises that it has on hand a supply of protective chainsaw chaps available at $18.00 each. The chaps are made according to U. S. Forest Service specifications using strong cotton duck with four large protective patches and two buffer pads all made of ballistic nylon. Six sizes. Write Lancer Clothing Corporation, 126 East Railroad Ave., West Haverstraw, N. Y. 10993.

From PULPWOOD HIGHLIGHTS

# # #

APPALACHIAN WIRE SKIDDER OPERATIONS:

In the steep terrain of the southern Appalachian highlands wire skidding is the only feasible way to remove timber from the most inaccessible slopes. This release describes two wire skidding operations run by suppliers to the U. S. Plywood-Champion Papers, Inc., mill at Canton, North Carolina. Both skidding rigs are homemade.

From PULPWOOD HIGHLIGHTS

# # #

LITERATURE:

have sent for - will go into library.

"Building a Log House" publication #28 prepared by University of Alaska and of interest to owners and builders of log cabins and similar structures. A limited number of copies are available at the Office of the State Forester, 2705 Spurgin Road, Missoula Montana 59801.

# # #

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FOR SALE - FOREST PRODUCTS:

FOR SALE - SERVICES AND EQUIPMENT:

WANTED - SERVICES AND EQUIPMENT:

WANTED - FOREST PRODUCTS:

Name of Person or Firm:

Mailing Address:

Zip Code: Phone No.:

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MONTANA
FOREST PRODUCTS UTILIZATION AND MARKETING
BULLETIN

OFFICE OF MONTANA STATE FORESTER - 2705 SPURGIN ROAD - MISSOULA - 59801

Volume III, No. 9 November 1968

WEATHERPROOF MARKER FOR LUMBER INDUSTRY

A foolproof, time-saving method of marking lumber in the yard or warehouse that is permanent and will outlast all weather conditions has been developed by the Sanford Ink Company of Bellwood, Illinois. The fine point marker, "Sharpie," looks like a fountain pen, but it lays down a mark that will survive blizzard, storm, humidity, extremes of temperature, and even immersion in water.

The new product also offers a lasting means of denoting the order of assembly on pre-fab or tailored lumber through indelible notation on faces that will be hidden in construction.

From: Forest Products Journal
October 1968

# # #

BOOKLET PUBLISHED FOR CHAIN SAW USERS

McCulloch Corporation is offering a revised edition of its pocket-sized booklet "Chain Saw Operation." The 24-page publication on safe and efficient chain saw useage has been developed primarily for novice operators. Text and illustration material covers tree felling, bucking, limbing, and firewood cutting. To obtain a free copy write to the Public Relations Department, McCulloch Corporation, 6101 West Century Boulevard, Los Angeles, California 90045.

From: Forest Products Journal
October 1968

# # #

EVANS PRODUCTS COMPANY bought Vancouver Plywood Company's joint interest in Van-Evan Company, Missoula, Montana for three million dollars cash. Van-Evan, a plywood and lumber manufacturer with sales of 5.4 million dollars for the first half of 1968, is now fully-owned by Evans Products. No operating or management changes are expected.

From: Forest Industries, October 1968

# # #

TREE LENGTH SKIDDING

A study conducted by the Pentawawa Forest Experiment Station (Canada) shows that less power is required to skid tree lengths butt foremost than

(more)

Tree Length Skidding (Continued from Page 1)

with tops foremost. On an average, 44% more power was required to skid tree length timbers top foremost suspended 2-½ feet above the skidding trail than with butts first at 5-½ feet on sandy soil. The corresponding power increase for gravel soil was 39%. White spruce logs were used in the tests.

From: Michigan Forest Products
Marketing Newsletter 7/68

# # #

WANTED - FOREST PRODUCTS

WE NEED SUPPLIES to satisfy inquiries for Dowels - Tornings - Flat work - Squares Dimensions - Lumber - etc. What can you furnish? Volume requirements. Contact: Horace Box, c/o Acme Wood Products, Inc., 2819 Detroit Avenue, Cleveland, Ohio 44113.

# # #

WANTED - SERVICES & EQUIPMENT

SAWYER FOR CIRCLE HEADRIG. Full time employment. Contact: John Casey of Casey Inc., Helena, Montana 59601, Phone: 227-5544.

# # #

FOR SALE - SERVICES & EQUIPMENT

MODEL 25(3/4 yd.) Northwest on tracks, like new. D-6 Cat. engine, 42' straight boom. This machine has less than 600 total hours. Price: $ 9,500.00. (See below - Roe)

110 gallon Pickup fuel tank and pump. Price $ 95.00.
Contact: Bud Roe, Box 632, Thompson Falls, Montana 59873, Phone: 827-4437.

# # #

599 AMERICAN 47½ T 4-axle Truck crane. Hendrickson carrier. Hydrolic outriggers. G.M. 671 W/torque converter in upper. 55' boom. 4 point Gentry grapple with tag. Air contols. Elev. cab. Lights. Sundstrand Hydroststic swing. Extra boom sections, jib, dragline fairlead, 3 sheave block, etc. Stand closest inspection. Price: $ 45,000.00. Terms.
Contact: R. H. Payne & Sons, Star Route 2, Libby, Montana 59923, Phone: 293-6069.

FOR SALE - SERVICES & EQUIPMENT

COMPLETE STUD MILL, M. A. Ward 6 saw small log machine, Redco Controls, 16 ft. outfeed belt, 300 h.p. motor, transfer chains. Ward 4 x 44 double arbor 32 saw stud edger, 100 h.p. each arbor with 10 ft. Ward feed table and controls. (See Burns-Yaak)

TRANSFER AND KEYSTONE STUD STACKER with infeed, outfeed, motors and controls. Reasonable price. (See Burns-Yaak)

BUCYRUS - ERIE 51-B, track mount shovel with dipper stick, Berger air tongs and 2 yard shovel bucket. Call or Write: Burns - Yaak River Lumber Co. Box X, Osburn, Idaho 83849, phone: 208-753-3041 after 5 p.m. or weekends: 208-753-4361.

# # #

ROOF DECKING BORING AND END MATCHING MACHINE. Nearly new, custom built. Heavy construction with anti-friction bearings throughout. Complete with 15 ¼" Albrecht chucks spaced for boring at 24" and 30" centers for decking from 6' to 20' long. Drill speed 2800 r.p.m. equipped with 4 air hold down and 4 air side pressure cylinders that automatically engage when the boring cycle is started.

Two 3 h.p. 3600 r.p.m. motors complete with heads for doing the end matching on the tongue end. On the grove end, one 4 h.p. motor with a four knife head does the work. End matching is done simultaneously with drilling operation. The drill drive motor is 7½ h.p., The feed motor is a two speed with fast speed for the return stroke.

All motors are 3 phase 60 cycle and 440 volt, complete with starters a main control panel is attached to the frame of the machine, which is built for moving by fork lift or overhead crane.

Contact: Lumber Sales Department, Biles-Coleman Lumber Company, P. O. Box 273, Omak, Washington 98841

# # #

LIMA 34T, 3/4 yard on tracks, gas BUDA ENGINE. Price $3,500.00. (See Runyan)

The G.M.C. TRUCK listed last month was sold due to this listing.
Contact: Johna J. Runyan Administrix of C. R. Runyan Estate, Box 211, Troy, Montana 59935, phone: 406-295-4578.

# # #

PLANER - 3 sides, 3 sets side knives, belting and blower. Make an offer.
Contact: T. Z. Wojciechowski, Florence, Montana 59833

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